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ATTORNEY DOCKET NO.: 04853.0074
CUSTOMER NUMBER: 22,852

**Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231**

New U.S. Patent Application

Title: METHOD OF IDENTIFYING CELLS USING DNA METHYLATION
PATTERNS

Inventors: Kunio SHIOTA; Satoshi TANAKA; Jun OHGANE; Naka HATTORI

Sir:

We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above patent application.

1. Application - 22 pages, including 4 independent claims and 4 claims total.
2. Drawings - 11 sheets of formal drawings containing 7 figures.
3. Declaration and Power of Attorney.
4. Recordation Form Cover Sheet and Assignment to The University of Tokyo.
5. Certified copy of Japanese Application No. 2000-372954, filed December 7, 2000.
6. Information Disclosure Statement and Information Disclosure Citation, PTO 1449 with 1 document attached.

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7. The filing fee is calculated as follows:

| | | | | \$710 | \$ 710.00 |
|--|------------------|-------|--------------|----------------------------------|--------------|
| Basic Application Filing Fee | Number of Claims | Basic | Extra Claims | | |
| Total Claims | 4 | - | 20 | x \$18 | |
| Independent Claims | 4 | - | 3 | 1 | x \$80 80.00 |
| [] Presentation of Multiple Dep. Claim(s) | | | | +\$270 | |
| | | | | Subtotal | \$ 790.00 |
| | | | | Reduction by 1/2 if small entity | - |
| | | | | TOTAL APPLICATION FILING FEE | \$ 790.00 |

8. A check for \$830.00 is enclosed. The fee includes:

\$710.00 filing fee;
\$80.00 additional claims fee; and
\$40.00 Assignment recordation fee.

Applicants claim the right to priority based on Japanese Application No. 2000-372954, filed December 7, 2000.

Please address all correspondence with respect to this application to:

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Please accord this application a serial number and filing date and record and return the Assignment to the undersigned.

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The Commissioner is hereby authorized to charge any additional filing fees due and any other fees due under 37 C.F.R. § 1.16 or § 1.17 during the pendency of this application to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

By:


Ernest F. Chapman
Reg. No. 25,961

EFC/FPD/peg
Enclosures